

FIG. 1

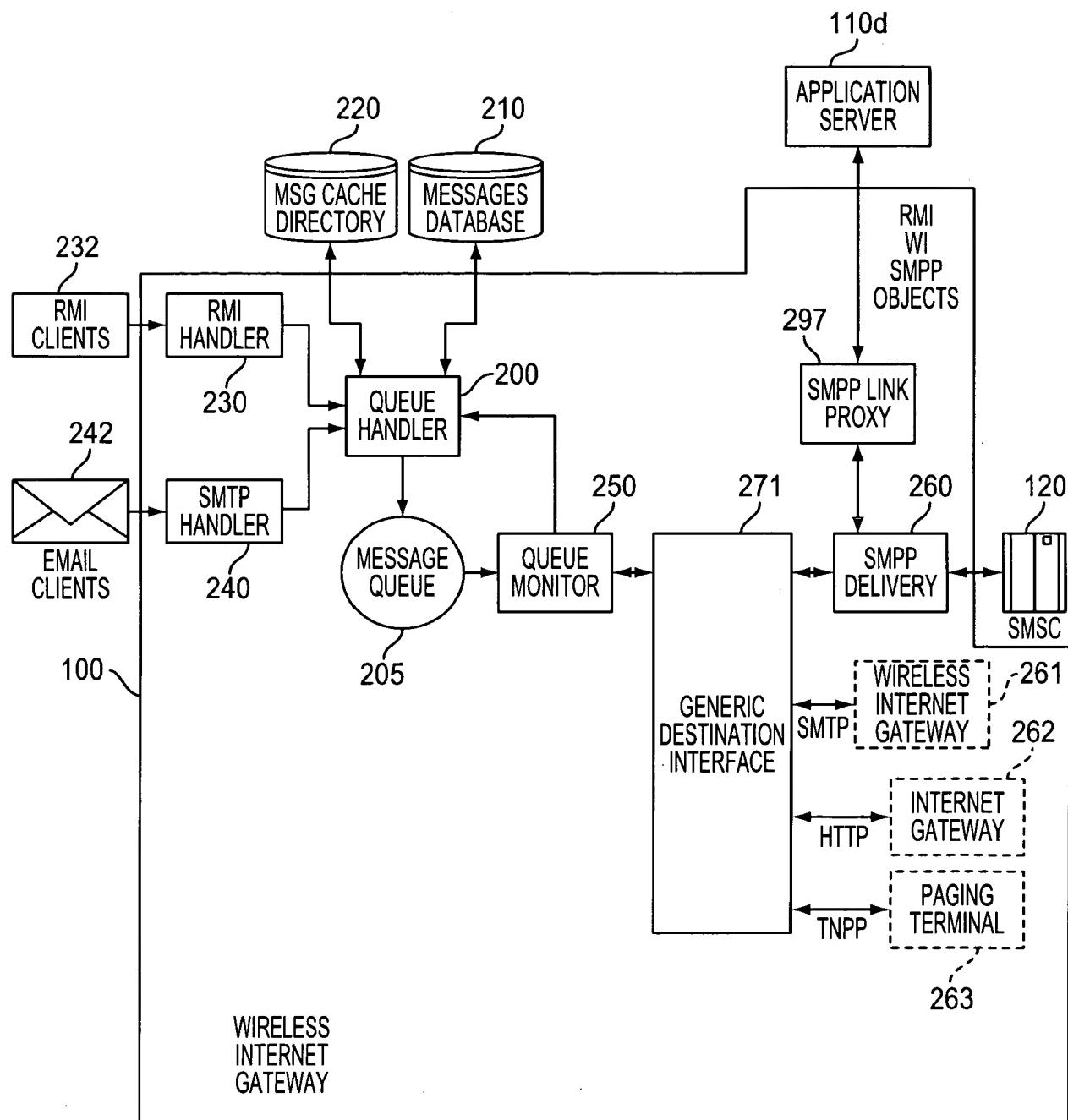


FIG. 2

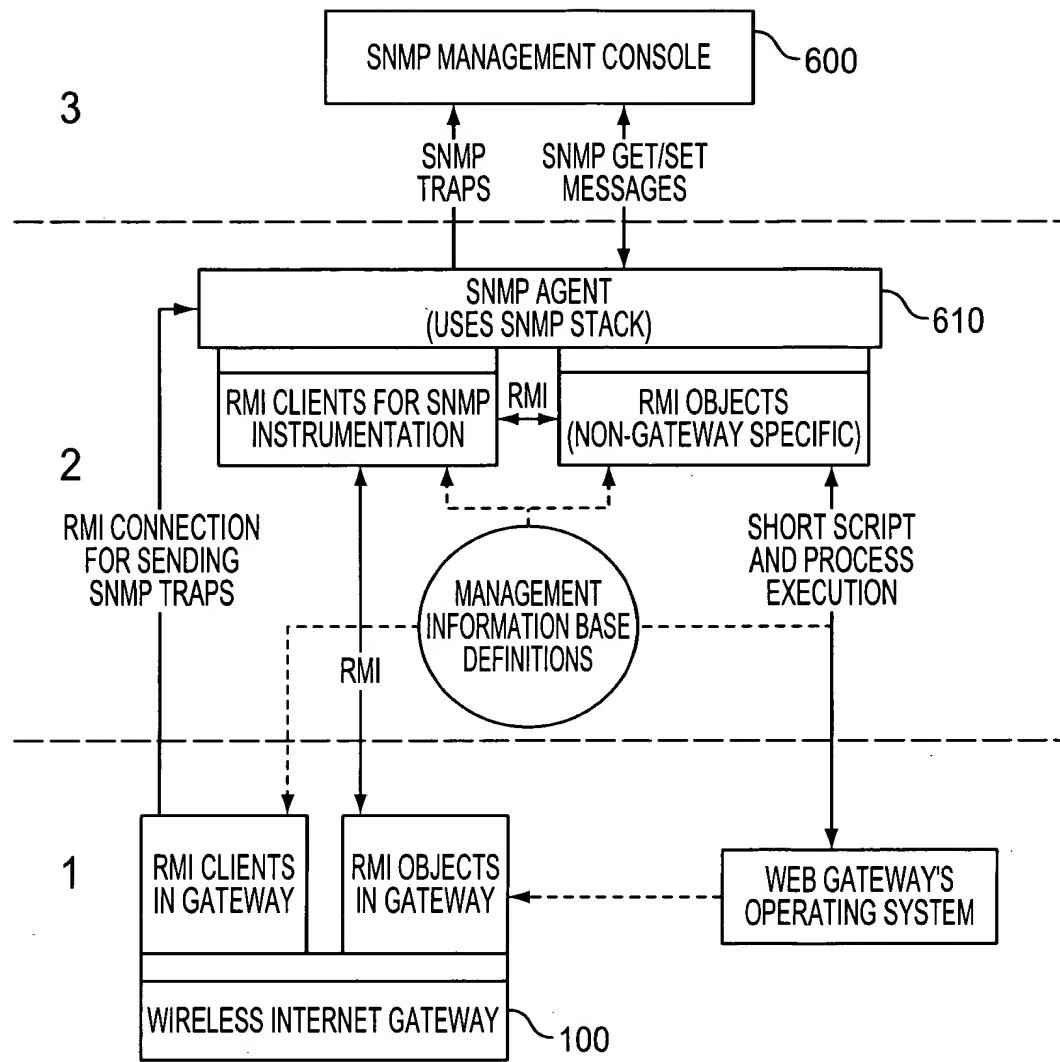
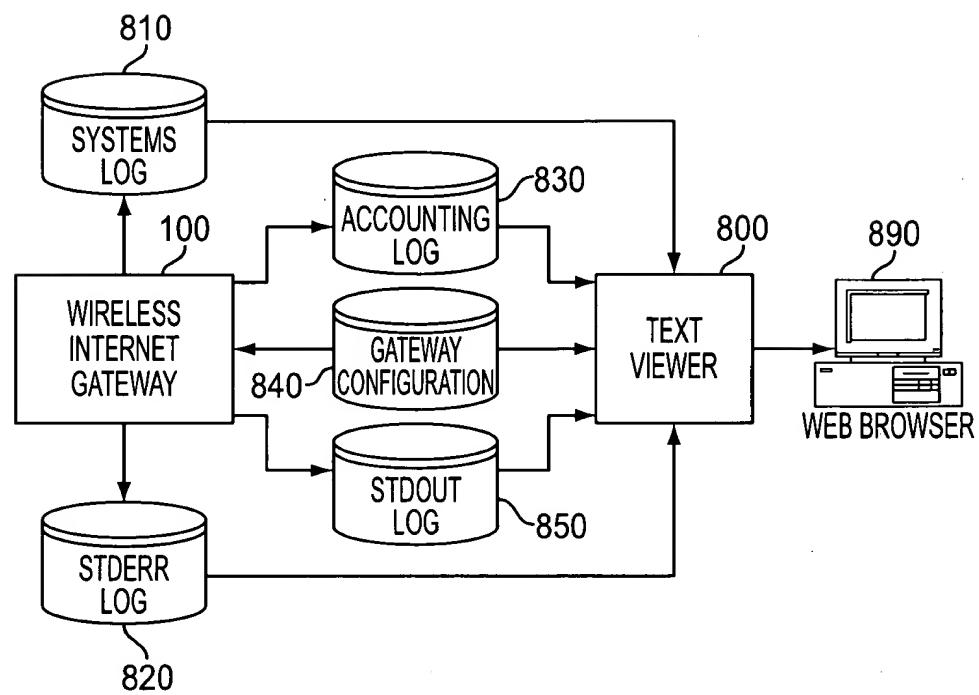


FIG. 3



**FIG. 4**

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# -----
#      smscgw.conf: Configuration File for TCS SMS Web Gateway
#      (c) 1998,1999,2000 TCS, Inc.
# -----
# ----- Identification -----
GW ID          A          # Msg Identifier for GW
GWName        admin@demosys.com # Email address for gw msgs
Shutdown_MIN  0000000009 # MIN to shutdown gateway

# ----- System Output -----
basedir        ./          # base location of files
accountinglogfile logs/acc.log # account log file name
systemlogfile  logs/system.log # system log file name
accountingloglevel 9          # Level of accounting log detail
systemloglevel  9          # Level of system log detail
debugmode      yes         # Sends SMPP info to StdOut
do_email_debug yes         # Show SMTP Interactions

smtpSocketTimeout 10          # Time socket waits for input
# before it times out
smtpSocketLinger  10          # Time OS keeps socket alive
# after application closes socket
smtpListenerSleepInterval 50 # Time (milliseconds) to pause
# between successive SMTP connections
# 50 milliseconds implies 200
# connections per second

# ----- Database References -----
MessageStoreType DB          # File System (FS) or Database
# (DB) storage or None or DB Cache (DBC)

# Connection information for accessing the Message Store
MessageStoreDbClass oracle.jdbc.driver.OracleDriver
MessageStoreDbUrl  jdbc:oracle:thin:@dbhost.demosys.com:1521:ORCL
MessageStoreDbAccount webdb
MessageStoreDbPw   private

msgLifespanHours 8          # How long to retain message data
requeueIntervalSecs 60        # How often to requeue unack'd msgs

q_cachepath     ./cache/    # directory for unack'd msg indicators
q_msgpath       ./messages/ # directory for FS database files
PendingCacheThreshold 50
PollPendingCache 10

# ----- Features -----
enable_smtp     yes        # Enable Email Support
smtp_port       25         # Port for receiving email
enable_web       yes        # Enable RMI for Web (and other RMI clients)
enable_smpp      yes        # Enable SMPP output to SMSCs (reqd)
enable_calendar no         # Enable Web Calendar support

```

TABLE 1

enable_monitor	yes	# Enable free memory monitor
memoryCheckRestTime	180000	# ms time for checking avbl memory
memoryThreshold	256	# xb threshold for generating alert
msg_maxlen	90	# Max length in a single message
msg_link_maxlen	150	# Max total length of msg through linking
enable_antispam	yes	# Enable msg qty limitations
SpamMaxSendQty	100	# Max no. msgs that can be sent per period
SpamMaxRecvQty	100	# Max no. msgs that can be recv'd per period
SpamTimePeriod	1	# Time period, in hours
SpamInValidSenders	987.654.321.000	# Senders that are always refused
SpamValidSenders	admin@demosys.com	# Sender exempt from anti-spam checks
SpamValidReceivers	9876543210,1234567890	# Receivers exempt from anti-spam checks
forceSNReturnReceipt	no	# Always request return receipt from SMSC
AlwaysDoEmailReceipt	no	# Always send a receipt to E-mail senders
AlwaysDoEmailReceipt_Exclude	demosys.com	# Senders to exclude if above is enabled
validateScheme	0	# 0=RANGE, 1=LOOSE, 2=EXPLICIT
supportAltAddressing	yes	# PIN/Alias lookups allowed
minLength	10	# Length of a valid MIN
PinLength	6	# Length of a valid PIN.
PinPrefix	P.	# Prefix to identify PINs
supportSubmitTranslate	no	# Do User vs Submit Address (DN/MIN) xlation
heartbeatsecs	180	# seconds between heartbeats; 0 = no
heartbeat		
# ----- Message Destinations -----		
sn_count	1	# Number of SMSCs attached
sn_type0		tcs.ain.smsgw.SmsGwSNSMPPLink
serializeSmppTraffic	yes	
smpp_host0	localhost	# Host name of first SMSC
smpp_Txport0	7001	# SMPP Tx port for first SMSC
smpp_RXport0	7002	# SMPP Rx port for first SMSC
smpp_bind_password0	secret	# SMSC/SMPP Password
smpp_bind_sysID0	EE	# SMSC/SMPP System ID
smpp_bind_sysType0	INET GW	# SMPP Client identifier
smpp_valid_min_range0	3102800000 5102802000	0000000009 0000000009
smpp_template0	1	# SMSC Template for sending messages
smpp_callback_trigger0	SA	# Trigger for embedding callback number
smpp_message_trigger0	SM	# Trigger for identifying message text
smpp_service_type0	PAGE	# Service Type; Comment out for Aldiscon
smpp_src_addr_ton0	0	# Type of Number; TCS=0
smpp_src_addr_npi0	0	# Numbering Plan Identity; TCS=0
smpp_dst_addr_ton0	1	
smpp_dst_addr_npi0	1	

**TABLE 1**  
**-SAMPLE GATEWAY CONFIGURATION FILE (CONT)**

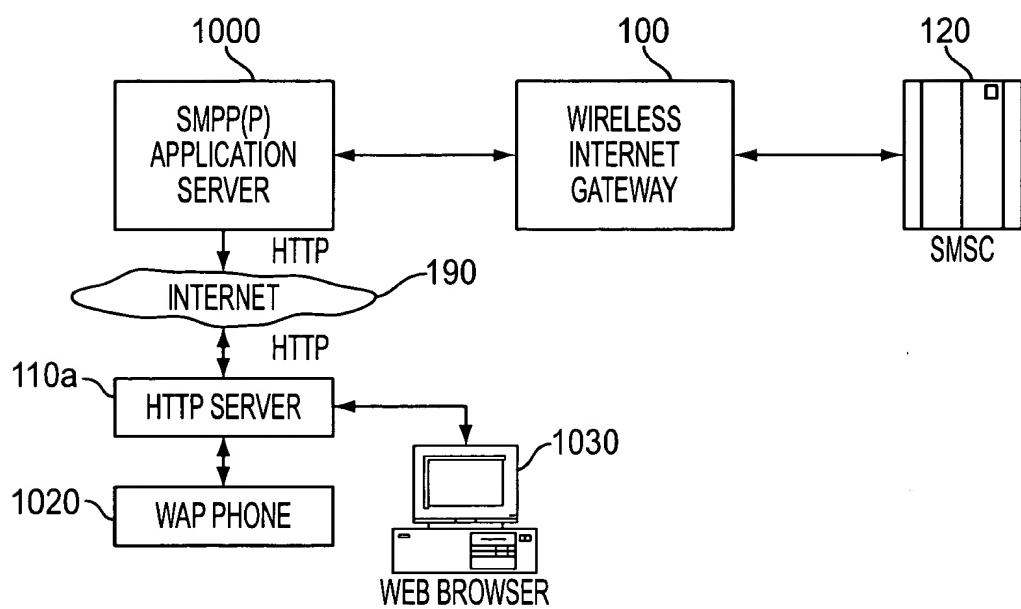


FIG. 5

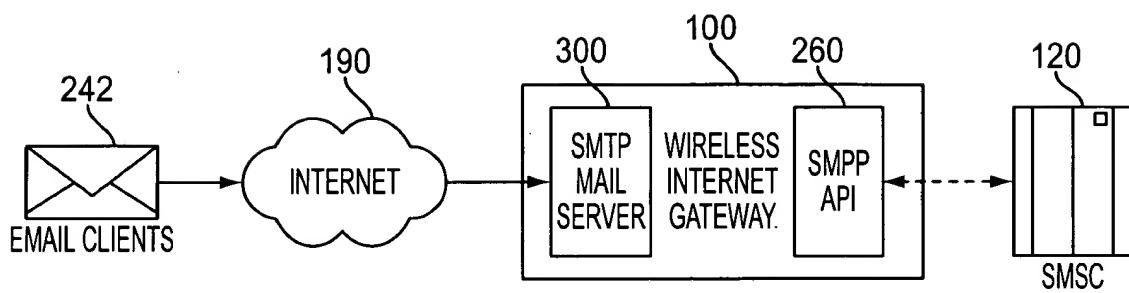


FIG. 6

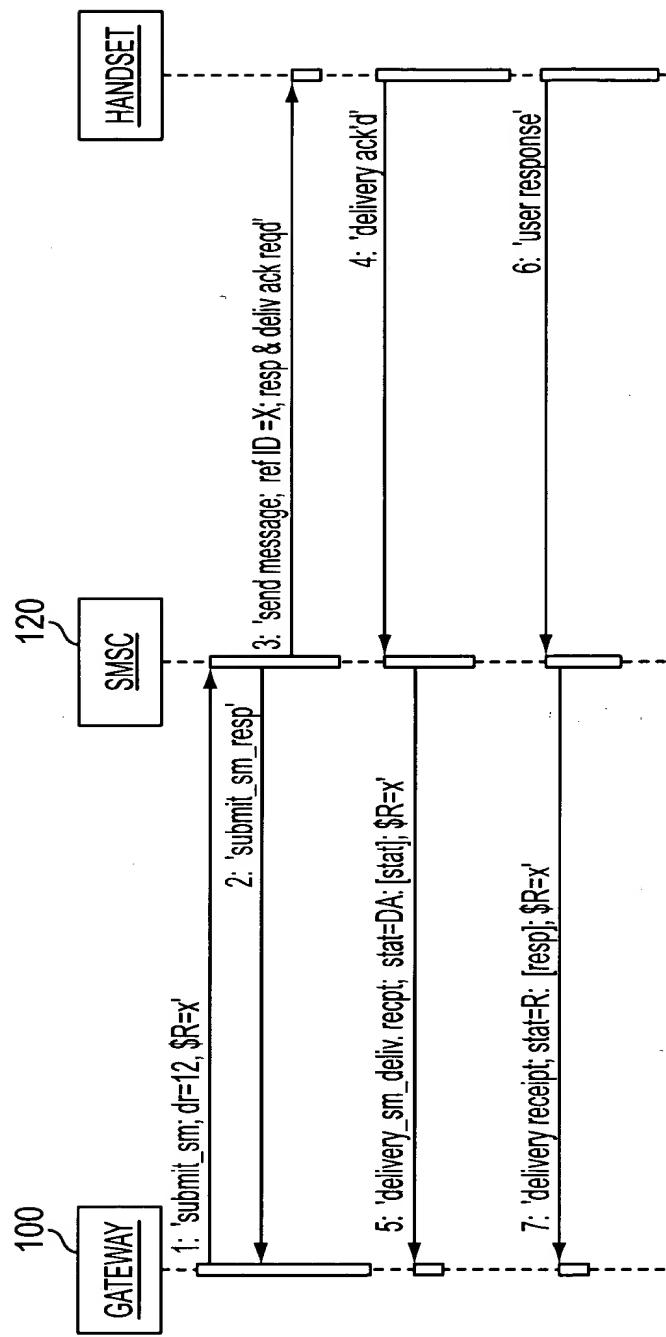


FIG. 7A

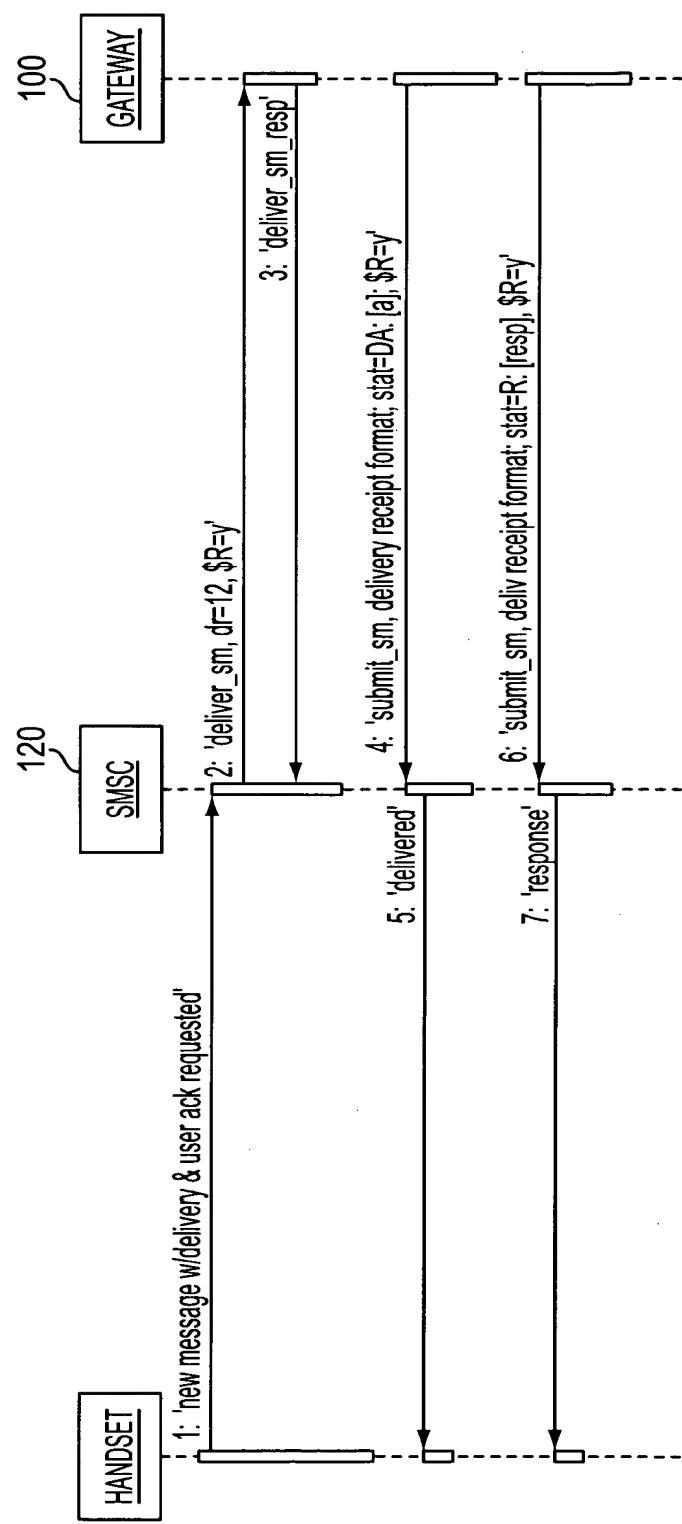


FIG. 7B

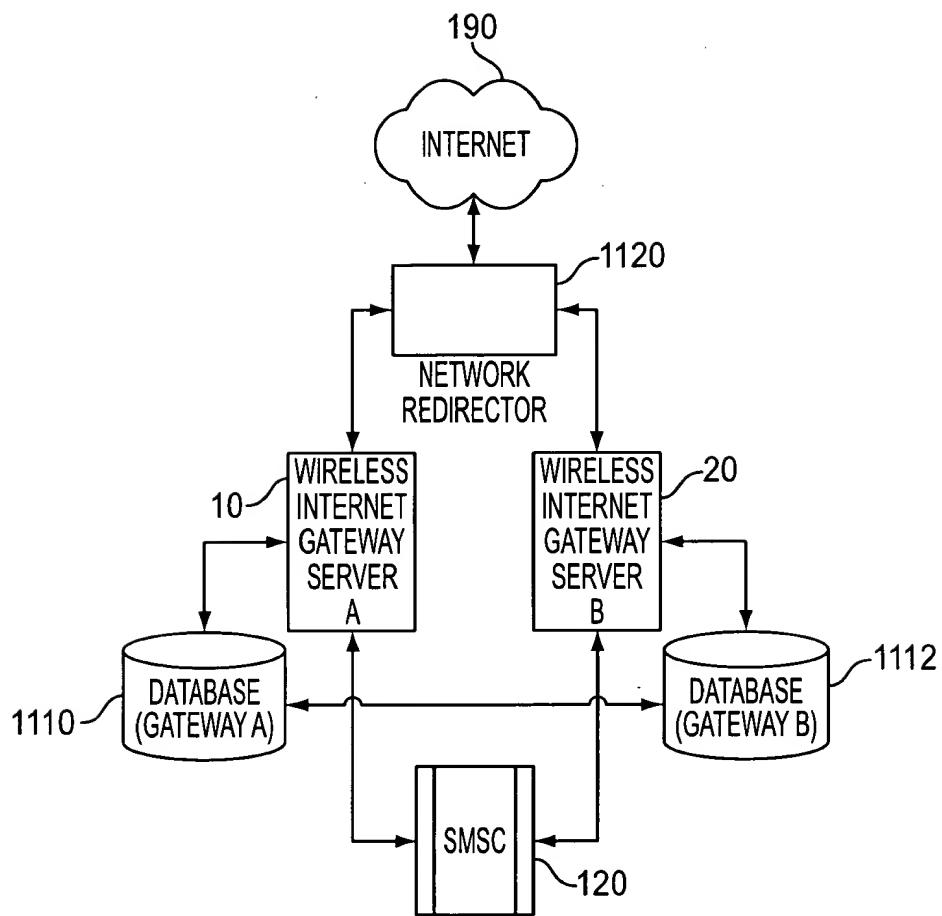


FIG. 8

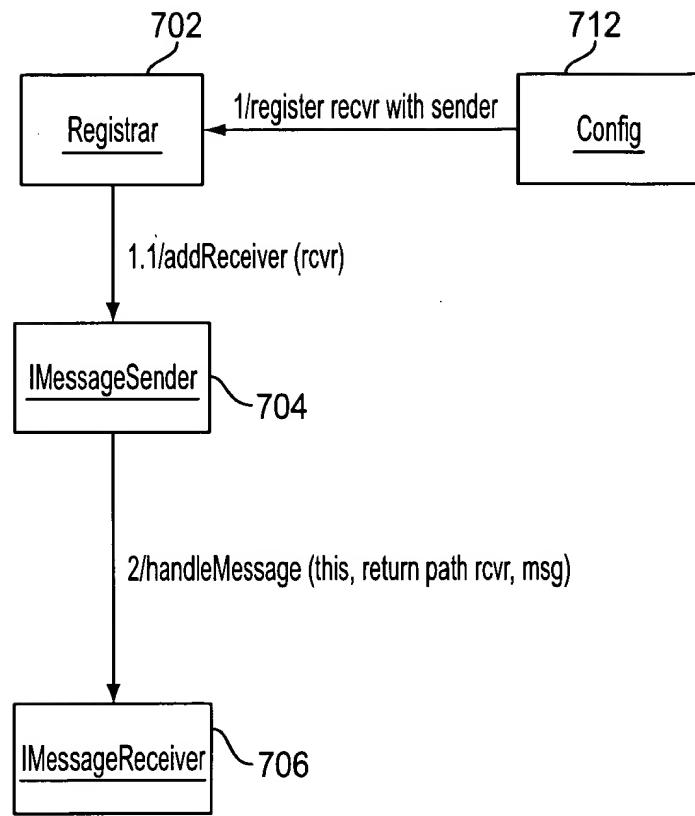


FIG. 9A

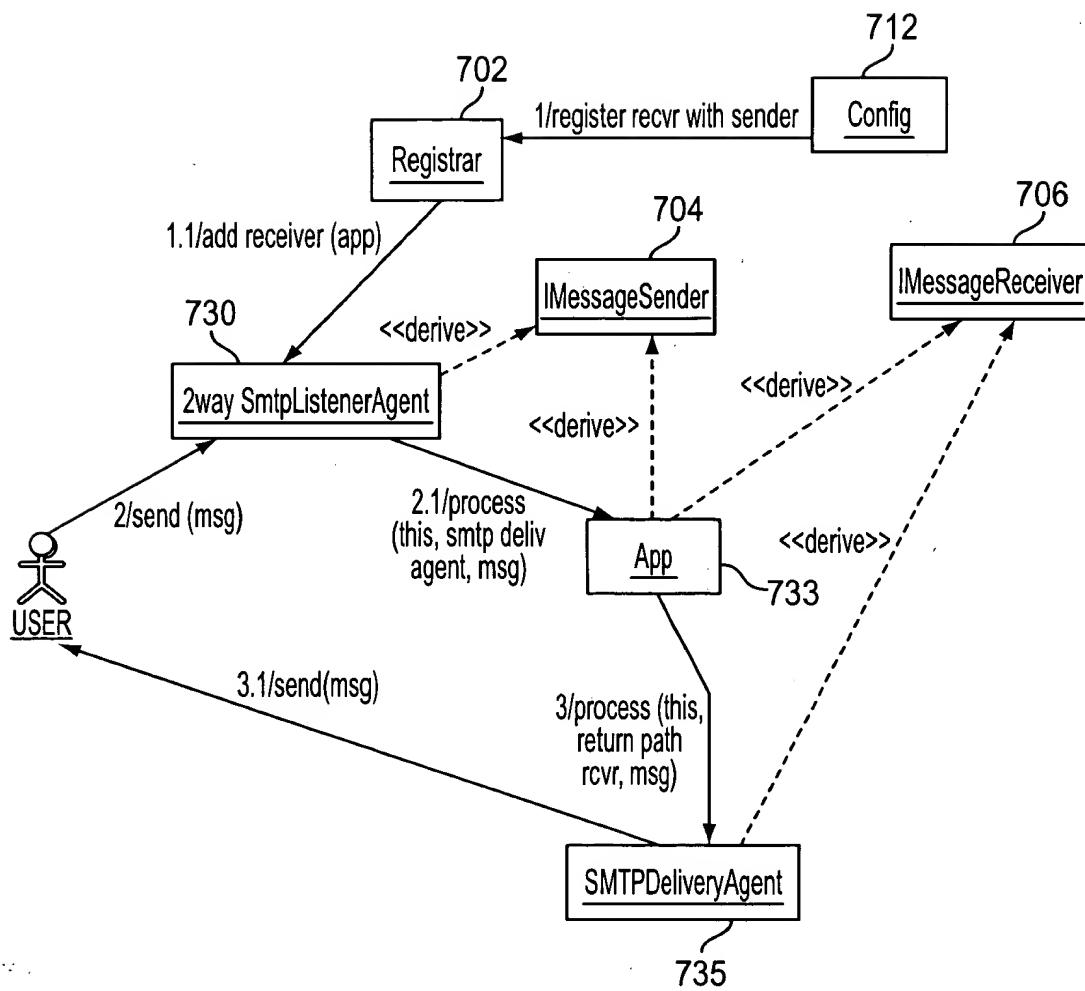


FIG. 9B

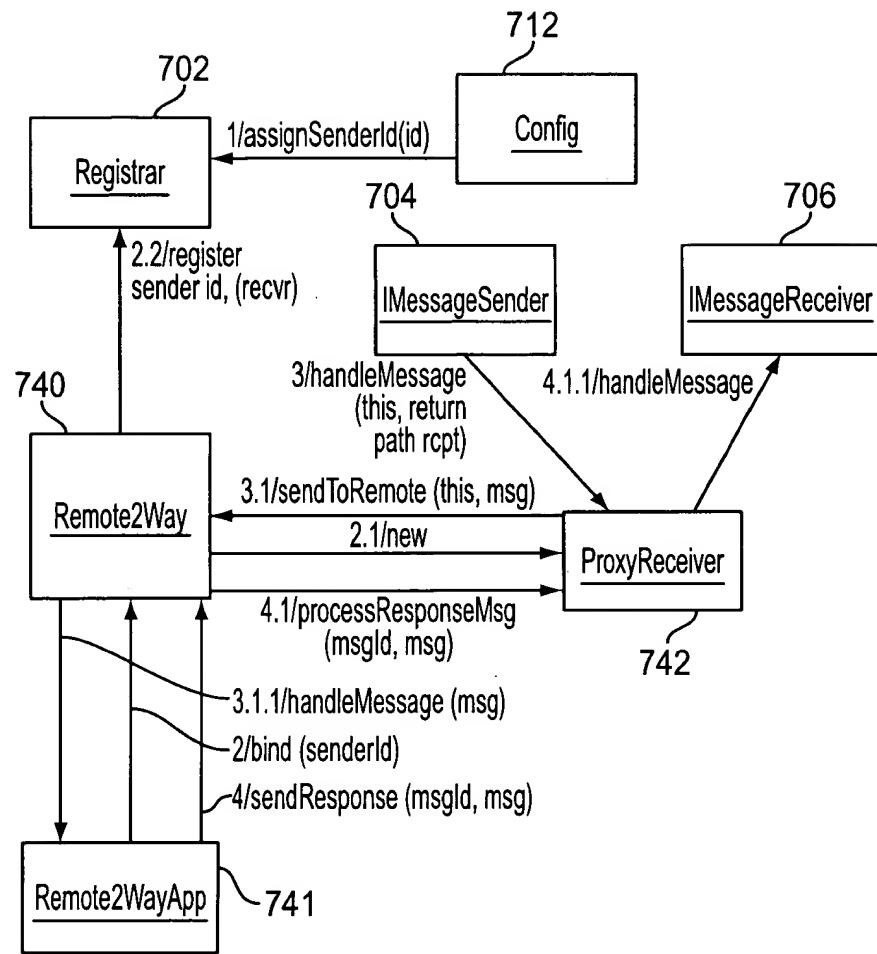


FIG. 9C

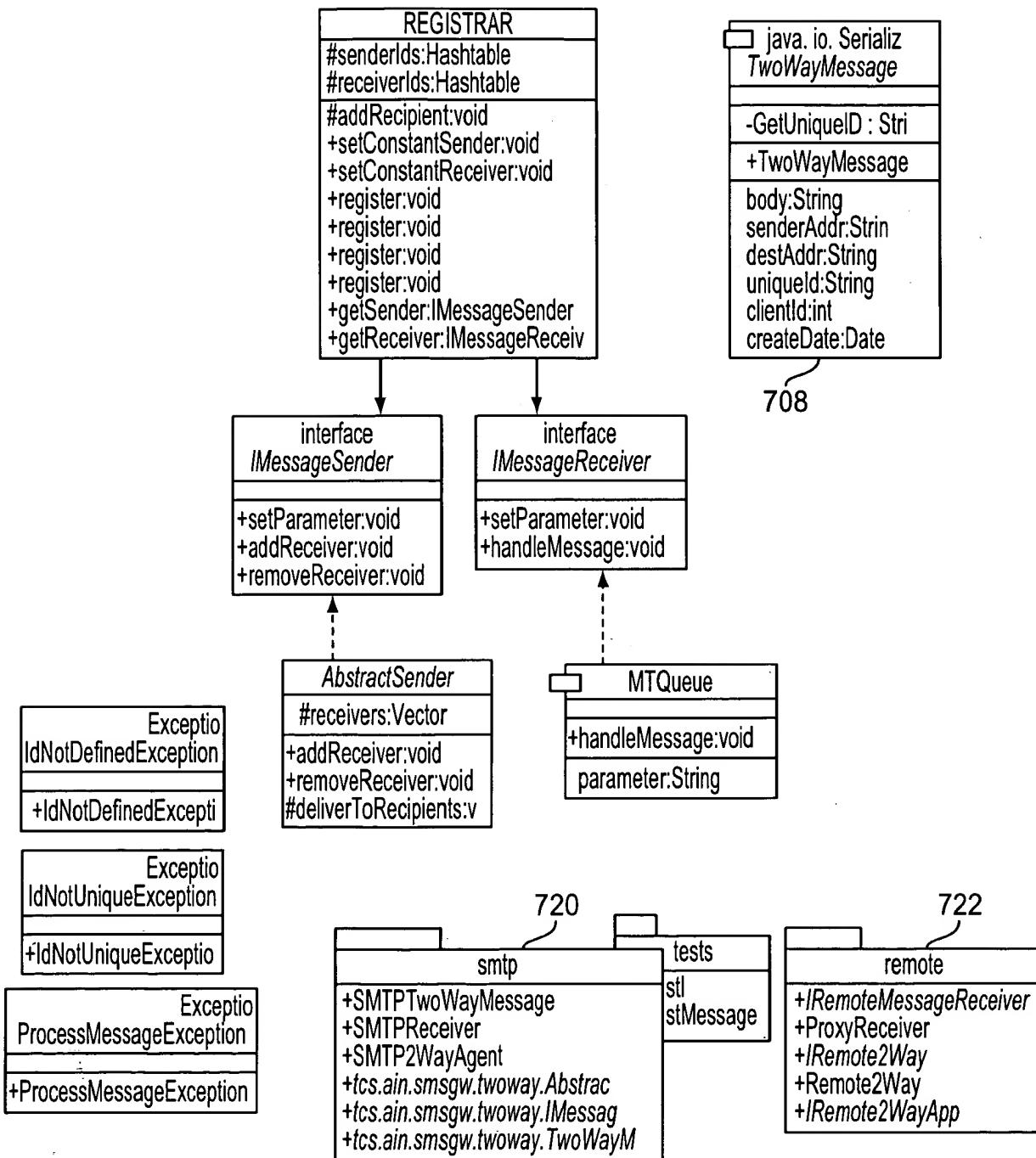


FIG. 10A

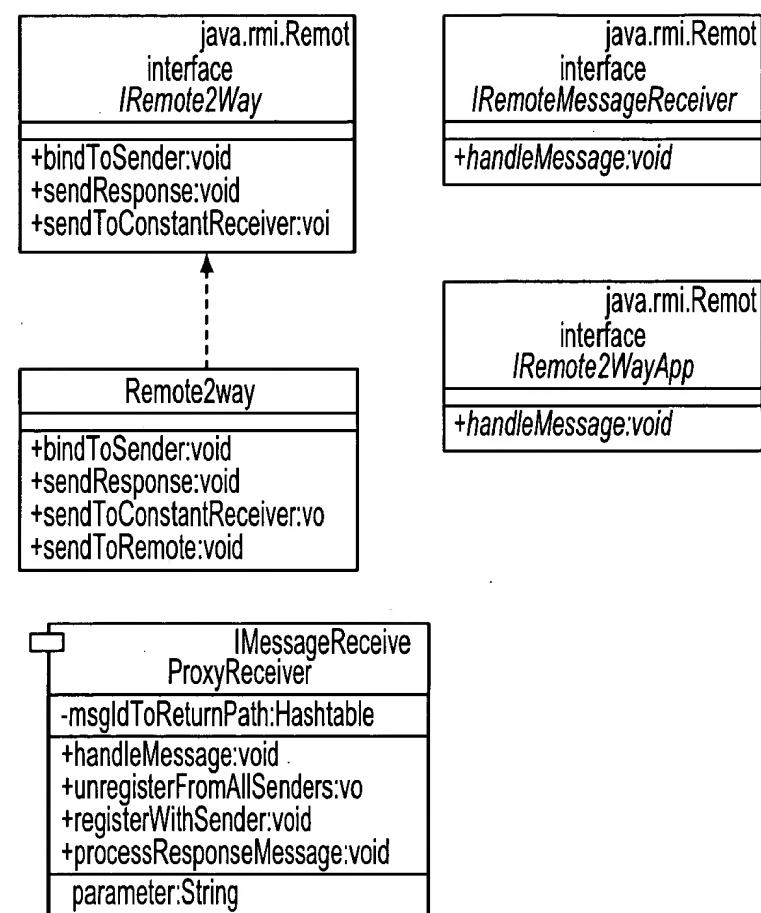


FIG. 10B

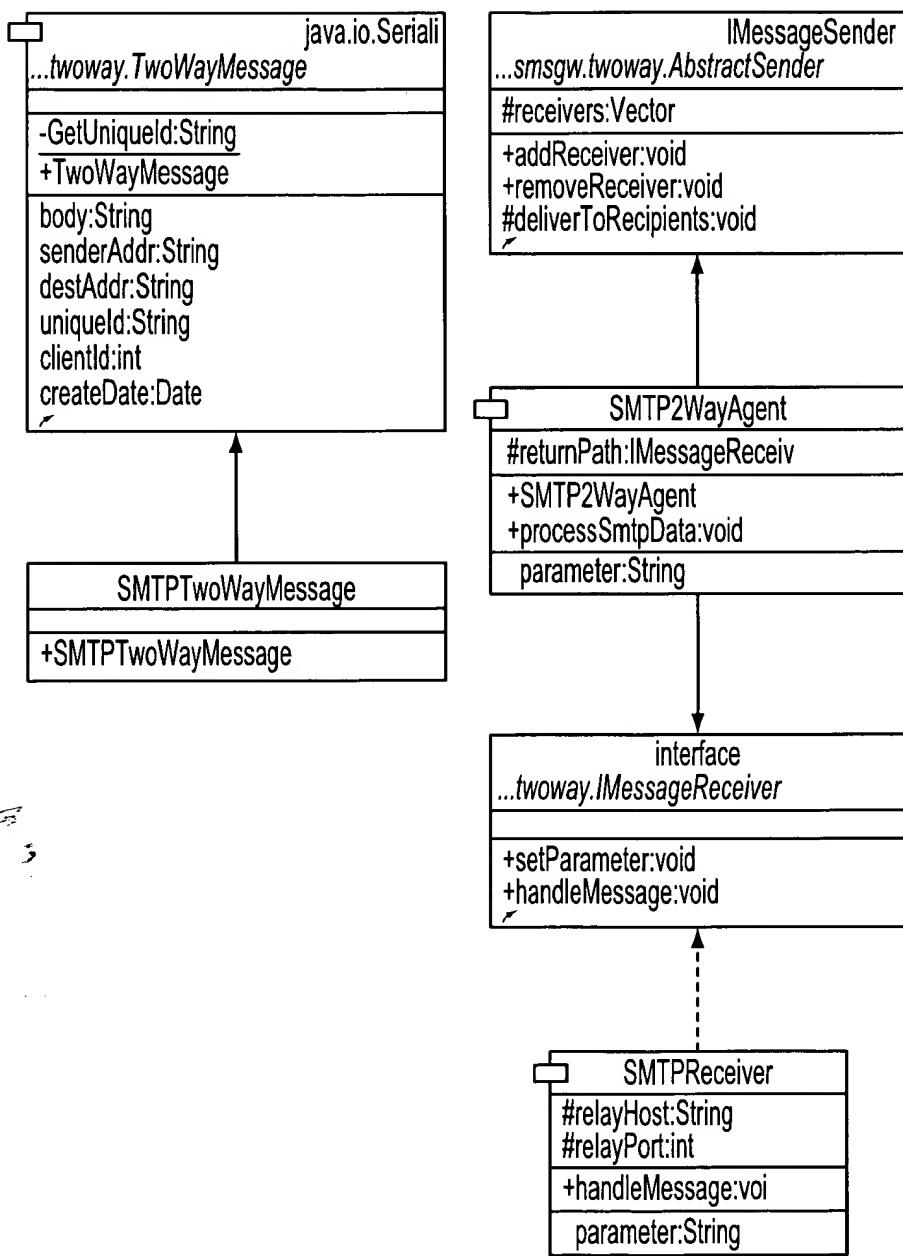
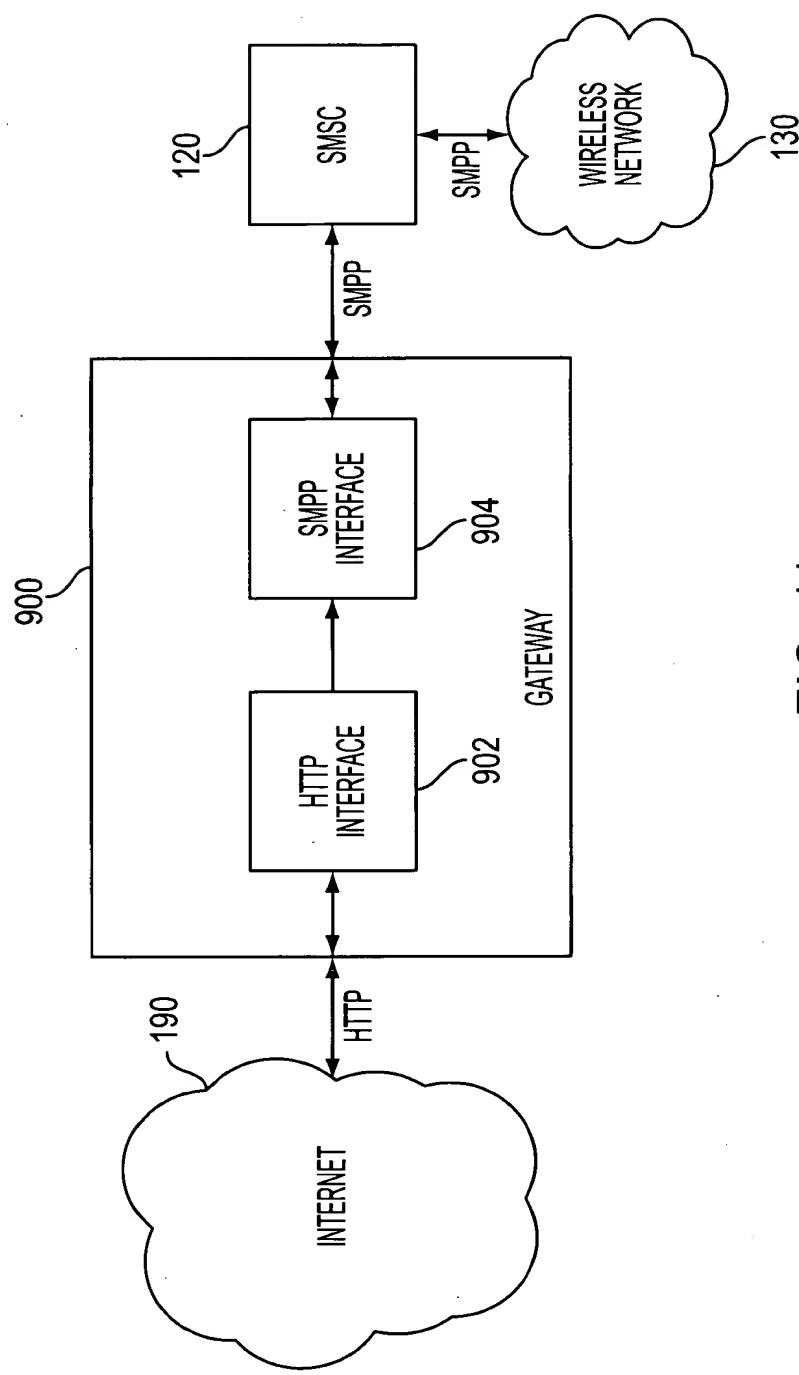


FIG. 10C



**FIG. 11**  
(PRIOR ART)